



# Continuing Education

## SPRING 2010



***Friday, June 4, 2010***

***SCC Continuing Education Center  
301 S. 68th St. Place  
Lincoln, NE***

The Nebraska Cyber Security Conference is for veteran administrators:

- Network Administrators
- System Administrators
- Information Security Professionals

This conference is a partnership between Southeast Community College and the state of Nebraska.



# NEBRASKA

## CYBER SECURITY CONFERENCE

In today's world, we rely on technology and the Internet for a variety of transactions, communication and information – at home, in school and at the work place. While we are familiar with the myriad of conveniences provided through Internet use, it is difficult to stay abreast of all the changes and the potential risks presented by the Internet. We are all "virtual neighbors" in cyberspace, and what we do – or don't do – can affect many others.

The Nebraska Cyber Security Conference will assist in raising our awareness of cyber security and help in protecting all of us in cyberspace. If we each do our part individually, we can have a tremendous positive impact collectively on our state's cyber security.

This will be valuable time - learning from skilled industry experts. Join us as we hear keynote presentations with Greg Metzler and John Otte. The day will be filled with many breakout sessions that will encompass different areas of information security and technology.

**For more information:**  
**[its.ne.gov/cybersecurity/conference](http://its.ne.gov/cybersecurity/conference)**

**Friday, June 4, 2010**

**SCC Continuing Education Center**

**301 S. 68th St. Place • Lincoln, NE**

**8 a.m. - 4 p.m. • \$99**

**Space is limited. • Registration deadline: May 27, 2010**

### CONFERENCE AGENDA

8 a.m. ....Check-in	10:30 a.m. ....1st Breakout Sessions
8:30 a.m. ....Welcome <b>Brenda Decker</b> Chief Information Officer State of Nebraska	11:30 a.m. ....Lunch
9 a.m. ....Keynote <b>Greg Metzler</b> <i>Crime: The Next Driver of Internet Innovation</i>	12:30 p.m. ....Keynote <b>John Otte</b> <i>Incident Management &amp; Cyber Security Readiness in 2010</i>
10 a.m. ....Break	1:30 p.m. ....Security Tools Workshop & 2nd Breakout Sessions
	2:30 p.m. ....Break
	3 p.m. ....3rd Breakout Sessions



IT agility. Your way.

**FORTINET.**



windstream  
communications



**Southeast community college**

## BREAKOUT SESSIONS

### 1ST SESSION - 10:30 A.M.

Please note on registration form which session you would like to attend.

- **Sky is Falling or Have We Been Pushed Into "The Clouds"** – Ernest Staats  
*Target Audience: Intermediate Level Experience*  
Cloud computing is a fast-growing sector in IT. It promises vast computing power, reliable off-site data storage, wide availability, all at lower maintenance and investment costs. We will look at some of the risk that comes with the cloud and how consistent and thorough security policies implemented in the design stage will help. We also will delve into some of the new Security as a Service (SaaS) now being offered from the cloud. Could SaaS replace the appliances or servers you are using now to secure our networks? Results will be shared from a few SaaS services that have been tested.
- **Securing & Managing File Transfers – Linoma** – Bob Luebbe and Steve Luebbe  
*Target Audience: Intermediate Level Experience*  
Few managers realize the security and management risks that have blossomed in their organization with the prevalent use of FTP for file transfers. Fewer still have taken measures to bring the use of FTP into compliance with PCI, SOX, HIPAA, state privacy laws and other mandates. This session identifies the key pitfalls that organizations need to be aware of when using FTP. We will demonstrate how you can begin the process of moving your data transfers into a more modern, secure framework, a framework that can increase user productivity and enhance IT manageability, while decreasing security exposures and adhering to growing compliance requirements. During this session, attendees will learn the following:
  1. Vulnerabilities in standard FTP
  2. Secure FTP protocols of FTPS, SFTP and SCP
  3. Authenticating trading partners with passwords, keys or certificates
  4. OpenPGP encryption technology
  5. Key and certificate management
  6. Error trapping and notification
  7. Logging and audit trails
- **E-GOV 2010: The Good, The Bad & The Ugly – Microsoft** – Troy Arwine  
*Target Audience: Basic to Intermediate Security Experience*  
**The Good:** Service Enablement, Compliance & Network Security Best Practices
  1. Online Government Services, Regulatory Compliance & Web Presence
  2. Federated Identities & Simplified Sign-On (SSO)
  3. Antivirus, IDS, Firewalls & Patch Management**The Bad:** The Social, Application Integrity & Data Security
  1. Social Ne'er-do-wells, Browser Bugs, Buffers & SQL Injection
  2. Evil Decrypting Maids, Hardware Exploits & Firmware Attacks
  3. Data Encryption, Digital Rights Management & Data Loss Prevention**The Ugly:** Homeland Security, Public Safety & The Political Challenge
  1. Dead Voters & Election Fraud in the Counties
  2. SCADA & Industrial Control Systems (ICS)
  3. The Political Challenge in SLG & How to Address REAL Threats

### SECURITY TOOLS WORKSHOP - 1:30-4 P.M.

This hands-on workshop is new for this years' conference and is limited to a **maximum of 35 participants**. Participants must bring a laptop computer.

*Prerequisites: Understanding of Network Administration, TCP/IP, and a willingness to use command line utilities.*

The hands-on security tools workshop will teach you the inner workings, tools and methodologies of modern day attackers. You will use your laptop with a jump drive, which will be provided courtesy of Linoma Software, to learn how to test your network for vulnerabilities. We will be using open source or free products such as Wireshark, Google hacking database, back door registry hacks and others to scan and test your systems.

### 2ND SESSION - 1:30 P.M.

Please note on registration form which session you would like to attend.

- **Strategic Security – Fortinet** – Kenneth Tam  
*Target Audience: Intermediate to Advanced Experience*  
As threats continue to evolve and demanding business requirements grows, Fortinet believes the way in dealing with this is to take a more strategic approach to your application, data and network security. Developing a security infrastructure that is able to adapt to changes in threats while also keeping up with changes in the business environment is critical. An infrastructure that reduces complexity while increasing your ability to detect and block new threats; one that reduces risk while reducing costs is important.
- **Virtualization– MSI Systems Integrators** – Robert Beken  
*Target Audience: Intermediate Experience*  
One of today's rapidly evolving and widely deployed technologies is system virtualization. Virtualization technology has become the focus of many new potential threats. Attacks are progressing slowly out of the theoretical into the practical. This session intends to discuss and provide answers to the unique security considerations of a virtualized environment.

### 3RD SESSION - 3 P.M.

Please note on registration form which session you would like to attend.

- **Evaluating Web Application Security Risk & Mitigating Web Application Vulnerabilities – F5** – David Remington, CISSP  
*Target Audience: Basic to Intermediate Security Experience*  
Attendees will be presented with a brief overview of the risks posed by insecure Web applications and the organizational and regulatory implications of Web application exploits followed by a detailed presentation of the strategies and considerations for Web application firewall deployment. Emphasis will be given to new and difficult-to-address vulnerabilities and the OWASP Top 10.

## 3RD SESSION (continued) - 3 P.M.

### • **Security Considerations for Public Cloud Migration – MSI Systems Integrators** – Robert Beken

*Target Audience: Basic to Intermediate Security Experience*

Most companies today are considering outsourcing some critical business functions to the cloud, but very few have actually taken action. There are a number of critical concerns that an organization must address in determining if a public cloud solution is a good fit for a particular business process or application, key among these concerns are a number of security criteria. In this presentation, we will discuss the security criteria that should be evaluated to determine candidates for public cloud migration, and requirements for the cloud provider to ensure that information assets are protected and business risk is evaluated and factored in to the cloud migration decision. Topics discussed will include:

- |                                    |                            |
|------------------------------------|----------------------------|
| 1. Governance, Risk and Compliance | 5. Infrastructure controls |
| 2. Security Management             | 6. Reporting and Metrics   |
| 3. Identity and Access             | 7. Evaluating Risk Factors |
| 4. Encryption                      |                            |

## KEYNOTE SPEAKERS

### Greg Metzler

Greg Metzler is an information security engineer with more than 17 years of experience in information assurance and information operations. He has served in numerous technical and leadership positions, both domestically and abroad. His current research interest areas include the cyber crime underground economy, adversary attribution, countering advanced cyber threats and practical security.

The nature of cyber crime is rapidly evolving. We will take a look at how cyber crime is changing and provide a few ideas for discussion regarding what we should be doing to mitigate the risk to which business, individuals and governments are exposed during Greg's keynote presentation, *Crime: The Next Driver of Internet Innovation*.

### John Otte

Currently the director, Strategic Services with FishNet Security, John is a seasoned information security and data protection professional with more than 10 years of systems security audit and controls experience. His vast experience includes more than 20 years of information technology and engineering experience in the U.S. government, Department of Defense and the private sector. John's private sector experience includes assisting clients with assessments related to the Health Insurance Portability and Accountability Act (HIPAA). John has extensive experience in the health care and public utility industries.

John has performed incident response and digital forensics work for a variety of commercial and government organizations. His investigation experience ranges from corporate misconduct to high profile criminal cases involving expert testimony. John is a national speaker on the topic of incident response and specializes in forensics cases related to the payment card industry.

John has assisted organizations with the implementation of leading information security standards and best practices within their IT environment. He has also conducted penetration and vulnerability studies for both Fortune 50 and Fortune 500 clients in the Midwest. He has vast knowledge and experience with the selection and development of internal controls and utilizing corporate governance frameworks such as CoBIT, COSO and ISO 17799. John also is an avid speaker on information systems security topics at local chapters of Information Systems Security seminars and conferences. Join us for John's keynote presentation, *Incident Management & Cyber Security Readiness in 2010*.

## REGISTRATION DEADLINE

Space is limited. Please submit your registration by **5 p.m. May 27**.

## LODGING INFORMATION

### Lincoln Convention and Visitors Bureau

(402) 434-5348 • (800) 423-8212

[www.lincoln.org/visiting/looding/index.htm](http://www.lincoln.org/visiting/looding/index.htm)

## ADDITIONAL INFORMATION

WIFI is available.

## MORE INFORMATION

**Marguerite Himmelberg**  
Southeast Community College  
Continuing Education  
(402) 323-3388

(800) 828-0072, ext. 3388  
[mhimmelberg@southeast.edu](mailto:mhimmelberg@southeast.edu)  
or

**Brad Weakly**  
Office of the CIO  
(402) 471-3677  
[brad.weakly@nebraska.gov](mailto:brad.weakly@nebraska.gov)



**\*\*Cancellation/Refund Policy:** You must call the Continuing Education office at 402-437-2700 or 1-800-828-0072 the day before the workshop begins to receive 100% refund. If you call the day of the workshop or after it has started, no refund will be issued.

## How to Register

1. Complete the non-credit registration form contained in this brochure. **Please print or type information on the registration form.**

2. SEND the form with payment: **Check** payable to SCC, or **credit card** number (Mastercard, Discover or Visa) or a **letter of authorization on company letterhead** if your employer is paying the tuition.

### MAIL TO:

SCC-Continuing Education Center  
301 S. 68th Street Place  
Lincoln, NE 68510

**FAX TO:** 402-437-2703

**Confirmations are not mailed.**

## REGISTRATION FORM - NON-CREDIT COURSE

Complete this form and send with payment to: **SCC, Continuing Education Center, 301 S. 68th Street Place, Lincoln, NE 68510 or FAX completed form to (402) 437-2703. Include credit card information or Letter of Authorization (required for third-party billing).**

The College's Student Social Security Number information constitutes an "educational record" under the Family Educational Rights and Privacy Act (FERPA). The College will be privileged to redact that information only with the consent of the student or in those very limited circumstances when consent is not required by FERPA.

Social Security Number _____		Name: Last _____ First _____ Middle Initial _____		Email address _____	
Organization or Agency _____					
Residence Mailing Address _____					
Birth Date _____	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female	Race: (used for statistical purposes only) <input type="checkbox"/> White, Non-Hispanic <input type="checkbox"/> Hispanic/Latino(a) <input type="checkbox"/> Black/African-American, Non-Hispanic	City _____	State _____ Zip _____	County # _____ <input type="checkbox"/> Cell <input type="checkbox"/> Business Phone _____
		<input type="checkbox"/> Asian <input type="checkbox"/> Other <input type="checkbox"/> Hawaiian/Pacific Islander <input type="checkbox"/> American/Alaska Native	Veteran or Dependent Utilizing Military Benefits <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Resident of Nebraska <input type="checkbox"/> Non-Resident of Nebraska	Home Phone _____

### Nebraska Cyber Security Conference

Friday, June 4, 2010  
Southwest Community College  
Continuing Education Center  
301 S. 68th St. Place  
Lincoln, NE  
8 a.m. - 4 p.m. • \$99  
INFO-6240-CESA

#### CHECK ONE

TOPIC IN EACH SESSION YOU WANT TO ATTEND

☐ I would like a vegetarian entree for lunch.

#### Break-out Session #1 • 10:30 a.m.

- ☐ Sky is Falling or Have We Been Pushed Into "The Clouds?"  
☐ Securing & Managing File Transfers (Linoma)  
☐ E-GOV: The Good, The Bad & The Ugly (Microsoft)

#### Break-out Session #3 • 3 p.m.

- ☐ Evaluating Web Application Security Risk & Mitigating Web Application Vulnerabilities (F5)  
☐ Security Considerations for Public Cloud Migration (MSI Systems Integrators)

#### Security Tools Workshop • 1:30-4 p.m.

- Limited to 35 participants
- Laptop computer required

#### Break-out Session #2 • 1:30 p.m.

- ☐ Strategic Security (Fortinet)  
☐ Virtualization (MSI Systems Integrators)

### TOTAL DUE

For Office Use Only:

DE \_\_\_\_\_ ID# \_\_\_\_\_

Signature \_\_\_\_\_

☐ Check ☐ Cash ☐ Mastercard ☐ Discover ☐ VISA V Code \_\_\_\_\_

Exp. Date \_\_\_\_\_ Credit card # \_\_\_\_\_

Name as it appears on card \_\_\_\_\_

Billing agency \_\_\_\_\_ (INCLUDE LETTER OF AUTHORIZATION)

Submission of this form indicates that I understand: 1) that my registration is complete and that I am accountable for the tuition and fees and subject to a grade in the courses listed; 2) that should I officially drop, cancel, or withdraw, any refund in tuition will be determined by the date I submit my request to Continuing Education; 3) that failure to attend a course does not constitute an official drop/withdrawal; 4) the personal information contained herein is correct as shown; and 5) any changes in SSN, legal name, address, residency, etc. must follow the College procedures in the Student Handbook and College Catalog. It is the policy of SCC to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of SCC's policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or [jsob@southeast.edu](mailto:jsob@southeast.edu).

## Southeast community college

### 2010 QUARTER

PLEASE PRINT  
\_\_\_\_\_summer\_\_\_\_\_winter  
\_\_\_\_\_fall\_\_\_\_\_X\_spring